Abstract

A method for high-resolution image recording of at least one object with a microscope, includes the steps of: (a) positioning the object in a receptacle being arranged in the optical axis of the microscope, (b) generating at least two first data sets per object which represent intermediate images of the object with at least two different orientations relative to the optical axis of the microscope, wherein the different orientations of the object are provided by moving the object relative to the receptacle, and (c) evaluating the data sets for obtaining quantitative three dimensional information.